Cumulative Index, 1977–1979

Note: Page numbers of symposium and article titles are in **boldface** type.

ABDOMEN, abscess of, *1979*: Dec., 489
anatomy of, on gray-scale ultrasound, *1979*: April, 3–11
angiography of, *1979*: April, **55–76**
CT scanning of, *1977*: Dec., **391–400;** *1979*: April, **13–24**
inflammatory disease of, *1979*: April, 51–53; Dec., **485–513**
malignant disease of, angiography in, *1979*: April, 58–64
gallium scanning in, *1979*: April, 49–51
musculature, hypoplasia of, *1977*: April, 84
ultrasonography of, *1979*: April, 10
nuclear medicine procedures in, *1979*: April, **39–54**
pain in, *1978*: April, **25–36**
solid masses of, percutaneous biopsy in, *1979*: Dec., **435–459**
vasculature, CT scan of, *1979*: Apr., **25–37**
ultrasonography of, *1979*: April, 8
Abdominopelvic abscess, *1978*: April, 171
Abdominopelvic ultrasonography, emergency, nontraumatic, *1978*: April, **159–173**
Abortion, threatened, *1978*: April, 165
Abruptio placentae, *1978*: April, 163
Abscess. See also specific organs and regions.
abdominal, *1979*: Aug., 309; Dec., 489
CT scan of, *1979*: Dec., 495–499
ultrasonography of, *1979*: Dec., 494
abdominopelvic, *1978*: April, 171
intracerebral, aspiration biopsy of, *1979*: Dec., 537
renal, *1979*: Aug., 251–253
retropharyngeal, *1978*: Aug., 184, 273
Achondroplasia, spinal, *1977*: Aug., 227
Adenocarcinoma, of lung, aspiration biopsy of, *1979*: Dec., 404
of trachea, *1978*: Aug., 233
Adrenal glands, CT scanning of, *1979*: April, **91–104;** Aug., 304–306
cysts of, *1979*: April, 101
malignant lesions of, angiography in, *1979*: April, 62–63
CT scanning in, *1979*: April, 100–101
nuclear medicine scanning, *1979*: April, 46–49
selective catheterization of, *1979*: Dec., 386
ultrasonography of, *1979*: April, 6; Aug., 295–296
Age, airway conductance and, *1978*: Dec., 367–368
Air embolism, after aspiration biopsy of lung, *1979*: Dec., 397
Airway disease, obstructive, lung-perfusion inhalation scintigraphy in, *1978*: Dec., **491–513**
Airway obstruction, in children, *1978*: Aug., **181–194**
in infants, *1978*: April, 77–83
Aldosteronism, *1979*: Aug., 304
Aldosteronoma, *1979*: Aug., 193
Allergic reaction, pulmonary, to drugs, *1978*: April, 116–117
upper airway, *1978*: April, 80
Alpha-1-antitrypsin deficiency, *1978*: April, 102
Altitude, pulmonary edema and, *1978*: Dec., 534, **537–549**
Alveolitis, allergic, extrinsic, *1978*: Dec., 398–401
fibrosing, cryptogenic, *1978*: Dec., 401–404
Anaphylaxis, from aspiration biopsy of lung, *1979*: Dec., 394
Anemia, sickle cell, skull findings, *1978*: April, 55
Aneurysm, aortic, *1978*: April, 9, 167
abdominal, *1979*: Dec., 453, 457
CT findings in, *1979*: Aug., 312
intrarenal, ruptured, *1978*: April, 137
Anger tomographic scanner, *1979*: April, 50
Angina, abdominal, *1979*: April, 56
Angina pectoris, *1978*: April, 9, 11, 12
Angiofibroma, juvenile, *1979*: Dec., 518–519
Angiography, abdominal, *1979*: April, **55–76**
catheterization and embolization in, *1979*: Dec., 377–381
hepatic, *1979*: April, 151
of thoracic systemic arteries, *1978*: Dec., **441–463**
pulmonary, perfusion-ventilation imaging
correlations with, *1978*: Dec., 509–510
risks of, *1978*: Dec., 411
radiation exposure from, *1979*: Dec., 376–377
renal, *1977*: April, 45
techniques of, *1979*: Dec., **375–391**
Angiomyolipoma, *1979*: Aug., 283
Angioneurotic edema, of upper airway, *1978*: April, 80
Angioplasty, transluminal, *1979*: Dec., 385–390
percutaneous, for renovascular hypertension, *1979*: Dec., 413–414
Ankylosing spondylitis, *1977*: Aug., 188, 215, 222; *1978*: April, 70
Antegrade pyelography, percutaneous, *1979*: Aug., 341–346
Anti-glomerular basement membrane disease, *1978*: Dec., 405
Anuria, *1978*: April, 144, 147
Aorta, abdominal, aneurysm of, *1977*: Dec., 388; *1979*: Dec., 453, 457
CT findings in, *1979*: April, 25–27
aneurysm, *1978*: April, 9, 167
CT scan of, *1978*: Dec., 582
lateral chest film of, *1978*: Dec., 468
vascular rings, *1978*: Aug., 190
Aortic arch, on CT scan, *1977*: Dec., 311, 312

Aortic regurgitation, *1978*: April, 6
Aortic stenosis, *1978*: April, 9
Aortitis, syphilitic, *1978*: April, 12
Aortography, *1979*: April, 55–56
  frontal, *1978*: Dec., 441
Appendicitis, *1977*: Aug., 30, 162
Arnold-Chiari malformations, *1977*: Aug., 158–159
Arteriovenous malformation, cerebral, embolic
    treatment of, *1979*: Dec., 521–524
    intravascular cast technique for occlusion of, *1979*: Dec., 529–532
Arthritis, rheumatoid, *1977*: Aug., 215, 222; *1978*: April, 70
  septic, *1978*: April, 39, 43
Arthrography, *1979*: Dec., 482–483
Articular disorders, *1978*: April, 38–41
Aryepiglottic fold, malignant tumors of, *1978*: Aug., 254
  on CT scan, *1978*: Aug., 277
Asbestosis, *1978*: Dec., 405, 581
Ascites, *1979*: Dec., 452, 454–456, 486
  urinary, *1978*: April, 151
Ask-Upmark kidney, *1979*: Aug., 192
Aspergillosis, *1978*: Dec., 446
  allergic, *1978*: Dec., 395–398
  allergic bronchopulmonary, *1978*: April, 100, 117
Aspiration needle biopsy. See under *Biopsy*.
Asthma, *1978*: Dec., 390–394
  atopic, *1978*: April, 117
  bronchial, *1978*: April, 95, 99
  perfusion-inhalation imaging in, *1978*: Dec., 498
Astrocytoma, of spinal cord, *1979*: Dec., 539
Atelectasis, *1978*: April, 92–93
Atherosclerosis, and renovascular hypertension, *1979*: Aug., 187, 190
Atlantoaxial dislocation, *1977*: Aug., 222
Atrial septal defect, *1978*: April, 8
Azotemia, excretory urography in, *1979*: Aug., **197–211**
  ultrasonography in, *1979*: Aug., 287–289
Azygos vein, lateral chest film of, *1978*: Dec., 478

Bacterial nephritis, acute, *1979*: Aug., 247–251
Bacterial pyelonephritis, acute, nephrogram in, *1979*: Aug., 222
Bacteriuria, in children, *1977*: April, 20–21
Bagassosis, *1978*: Dec., 403
Balloon catheterization, for carotid system disease, *1979*: Dec., 524–529
Balloon catheters, for transluminal angioplasty, *1979*: Dec., 385
Barium examination, changing role, *1978*: April, 125–131
Basilar angle, *1977*: Aug., 155
Basilar impression, *1977*: Aug., **155–166**
Berylliosis, *1978*: Dec., 405
Biliary system, calculi, *1979*: Dec., 583
  CT scan of, *1977*: Dec., 451
  hepatic, CT scan of, *1979*: April, 16, 20, 21, 145
    obstruction of, *1979*: April, 129–135
    ultrasonography of, *1979*: April, 5
Biliary tree, on CT scan, *1977*: Dec., 338–340
Biopsy. See also specific sites and techniques.
  aspiration, in chest disease, *1979*: Dec., **393–412**
    in mediastinal disease, *1979*: Dec., 401–407
    in pulmonary disease, anaphylactic reaction to, *1979*: Dec., 394
Biopsy (*Continued*)
    of lung, *1979*: Dec., 396, 397
    of solid intra-abdominal masses, *1979*: Dec., 435–439
    of thyroid nodule, *1979*: Dec., **543–554**
  CT-guided, *1977*: Dec., **449–456**
Biopsy techniques, nonsurgical, *1979*: Dec., **393–412**
  vascular, *1979*: Dec., 445–448
Bladder, biologic resistance of, *1977*: April, 23
  biopsy of, *1979*: Dec., 449, 451
  carcinoma of, *1977*: Dec., 445; *1979*: Dec., 465
  CT scanning of, *1979*: Aug., 313–314
  exstrophy of, *1977*: April, **93–107**
  hemorrhage from, *1979*: April, 70
  neoplasms, CT staging of, *1977*: Dec., **419–440**
  neurogenic, in children, *1977*: April, **71–82**
  on CT scan, *1977*: Dec., 443
  reflux, in children, *1977*: April, 23–26, 29
  sphincter, prosthetic, *1977*: April, 78
  ultrasonography of, *1977*: April, 123
Bleeding, control of, infusion therapy for, *1979*: Dec., 381–383
Blue velvet lung, *1978*: April, 116
Boerhaave's syndrome, *1978*: April, 18
Bone, infection, *1978*: April, 44
  percutaneous aspiration biopsy of, *1979*: Dec., 449, 452, 475–481
  tumors of, *1978*: April, 41–42
Bone marrow, in lymphoma, *1977*: Dec., 397
Bone scanning, radionuclide, of spine, *1977*: Aug., **177–201**
Bowel. See Intestine(s).
Brain, abscess, *1978*: April, 59
  lesions, altered consciousness and, *1978*: April, 50
Breast lesions, aspiration biopsy of, *1979*: Dec., **607–621**
Breath, acute shortness of, *1978*: April, **113–121**
Bronchial arteries, angiography of, *1978*: Dec., 442
Bronchial asthma, *1978*: April, 95, 99; Dec., 390–394
  perfusion-inhalation scintigraphy in, *1978*: Dec., 498
Bronchial biopsy, *1979*: Dec., 397–399
Bronchial carcinoma, *1978*: Dec., 449
  brush biopsy in, *1979*: Dec., 397–399
  histocytologic typing of, *1979*: Dec., 400
Bronchial foreign bodies, *1978*: April, 91, 96
Bronchial wall, thickening, in children, *1978*: Dec., 382
Bronchiectasis, *1978*: Dec., 446
  perfusion-inhalation scintigraphy in, *1978*: Dec., 500–502
  vs. malignant disease, *1979*: Dec., 400
Bronchiolitis, *1978*: April, 83–84, 98
Bronchitis, chronic, *1978*: Dec., 447
  perfusion-inhalation scintigraphy in, *1978*: Dec., 498
Bronchogenic carcinoma, lateral radiograph in, *1978*: Dec., 359
Bronchopneumonia, segmental, *1978*: April, 105
Bronchopulmonary aspergillosis, *1978*: Dec., 395–398
  allergic, *1978*: April, 100
Bronchopulmonary dysplasia, *1978*: April, 104
Bronchoscopy, biopsy with, *1979*: Dec., 397–399
Bronchus, carcinoma of, *1978*: Dec., 582
  on lateral film, *1978*: Dec., 475–476
Bronchus intermedius, *1978*: Dec., 477
Brush biopsy, endobronchial, *1979*: Dec., 397–399
  of urinary tract, *1979*: Dec., 418–420
Bullous emphysema, *1978*: Dec., 578
Bull's angle, *1977*: Aug., 157–158
Bursitis, *1978*: April, 46

CALCIFICATION, renal *1977*: Dec., 414
Calcium pyrhophosphate deposition disease, *1978*: April, 38
Calculi, in medullary sponge kidney, *1979*: Aug., 269–270
Caplan's syndrome, *1978*: Dec., 405
Carbuncle, renal, *1979*: Dec., 494
Carcinoma. See also specific types and regions.
  bladder, *1977*: Dec., 445; *1979*: Dec., 465
  bronchial, *1978*: Dec., 449
  lung, screening for, *1978*: Dec., **347–366**
  pulmonary metastases, *1978*: Dec., 580
Cardiac asthma, *1978*: Dec., 395
Cardiac output, pulmonary blood volume and, *1978*: Dec., 522
Cardiopulmonary function, chest films in, *1978*: Dec., **515–535**
Cardiovascular disease, airway effects, in children, *1978*: Dec., 383–386
Carotid-cavernous fistula, treatment of, *1979*: Dec., 526–528
Carotid system disease, intravascular occlusive techniques in, *1979*: Dec., 516–524
Cataracts, after radiation exposure, *1979*: Dec., 376
Catheter(s), angiographic, occlusion of, *1979*: Dec., 375
  balloon, for transluminal angioplasty, *1979*: Dec., 385
Catheterization, angiographic, techniques of, *1979*: Dec., 377–381
  balloon, for carotid system disease, *1979*: Dec., 524–529
Causalgia, *1978*: April, 44
Cecum, volvulus, *1978*: April, 26
Celiac artery, on CT, *1979*: April, 27
Celiac axis, on CT, *1979*: April, 28–29
Cervical spine, *1977*: Aug., 133–143
  anomalies, *1977*: Aug., **167–175**
  fractures of, *1977*: Aug., 250–258
  injury to, *1977*: Aug., **247–259**
  stenosis of, *1977*: Aug., 215–226
Cervicobasilar relationships, *1977*: Aug., **155–166**
Chamberlain's line, *1977*: Aug., 155
Chemotherapy, infusion, palliative, *1979*: Dec., 383–385
Chest diseases, biopsy techniques in, *1979*: Dec., **393–412**
Chest pain, *1978*: April, **3–24**
Chest radiograph, computer-assisted diagnosis, *1978*: Dec., **487–490**
  lateral, *1978*: Dec., **465–485**
  perfusion-ventilation imaging and, *1978*: Dec., 508–509
Chest wall, complications, *1978*: Dec., 431
  CT scan of, *1977*: Aug., **297–308**
  lesions, biopsy of, *1979*: Dec., 407–408
Children, asthma in, *1978*: Dec., 393
  dilated ureters in, *1979*: Aug., 337–339
  hypertension in, *1979*: Aug., 193
  laryngeal and tracheal obstruction in, *1978*: Aug., **181–194**
  neurogenic bladder in, *1977*: April, **71–82**
  respiratory distress in, *1978*: April, **91–112**
  urinary tract infection in, *1977*: April, 8–9, **19–35**
  uroradiology in, *1977*: April, **1–130**
Cholangiography, transhepatic, *1979*: Dec., 558
Cholangiopancreatography, endoscopic, retrograde, vs. CT scanning, *1977*: Dec., 362
Cholecystitis, *1978*: April, 32; *1979*: April, 44
Cholelithiasis, *1978*: April, 28
Chondrocalcinosis, *1978*: April, 39
Chondroma, of larynx, *1978*: Aug., 262
Chylothorax, *1978*: April, 86, 93
Cirrhosis, on CT scan, *1977*: Dec., 335
Clay shoveler's fracture, *1977*: Aug. 257
Coal-miner's pneumoconiosis, *1978*: Dec., 405
Coffee-bean sign, *1978*: April, 28
Colitis, ischemic, *1978*: April, 129
Colles' fracture, *1977*: Aug., 255
Colon, diverticular disease of, with bleeding, angiographic diagnosis and management, *1979*: April, 57, 67
  hemorrhage from, *1978*: April, 128
  obstruction, *1978*: April, 26–30
  perforated, *1978*: April, 26
  volvulus, *1978*: April, 26
Coma, roentgen evaluation, *1978*: April, 50–52
Computed tomography. See also specific organs and sites.
  in aspiration and drainage procedures, *1979*: Dec., 505–510
  in azotemic patients, *1979*: Aug., 206–207
  in inflammatory disease of abdomen, *1979*: Dec., 495–499
  interventional, *1977*: Dec., **449–456**
  of abdomen, *1979*: April, 13–24
  of larnyx and trachea, *1978*: Aug., **195–208,** 323–325
  symposium on, *1977*: Dec., **295–469**
Computers, in diagnosis from chest radiographs, *1978*: Dec., **487–490**
Condyloma acuminatum, *1979*: Aug., 234
Congenital heart disease, *1977*: April, 40
Congenital megaureter, *1979*: Aug., 338
Congestive heart failure, *1978*: April, 113–116
  pulmonary edema from, *1978*: Dec., 416
Consciousness, altered, in nontraumatized patient, *1978*: April, **49–64**
Contraceptive device, intrauterine, ultrasonic detection of, *1978*: April, 159
Contrast enhancement, on abdominal CT scans, *1979*: April, 14
Contrast material, in patient with renal failure, *1979*: Aug., 197, 199
Coronary artery dilatation, by balloon catheter, *1979*: Dec., 389–390
Cranium, ossification, altered, *1977*:Aug., 163
Cricoid cartilage, on CT scan, *1978*: Aug., 195
Croup, *1978*: April, 77–79; Aug., 274
Cryptogenic fibrosing alveolitis, *1978*: Dec., 401–404
Cushing's syndrome, *1979*: Aug., 304
  CT scan in, *1979*: April, 96
  radionuclide scanning in, *1979*: April, 46–49
Cutis laxa, *1978*: April, 102
Cylindroma, of trachea, *1978*: Aug., 233
Cyst. See also specific organs or parts.
  hydatid, aspiration biopsy of, *1979*: Dec., 394–395
Cystic fibrosis, *1978*: April, 95, 102
Cysticercosis, *1978*: April, 63
Cystitis, hemorrhagic, *1978*: April, 137, 151
Cystourethrogram, voiding, *1977*: April, 27–28
Cytologic study, of lung tumors, *1979*: Dec., 400
Cytotoxic infusion therapy, for cancer, *1979*: Dec., 383–385

DEAFNESS, in Klippel-Feil syndrome, *1977*: Aug., 174
Decision trees, evaluation of, *1979*: Aug., 175
Degenerative arthritis, *1978*: April, 39

Diabetes mellitus, urographic contrast material and, *1979*: Aug., 198
Diaphragm, changes on chest films, *1978*: Dec., 429–430
Diaphragmatic crura, on CT scan, *1977*: Dec., 325, 327
Dirty lung, *1978*: Dec., 382
Diverticular disease, bleeding with, angiographic diagnosis and management, *1979*: April, 57, 67
Diverticulitis, *1978*: April, 34, 35
Diverticulosis, *1978*: April, 129
Drill biopsy, of lung, *1979*: Dec., 397
Drug(s), allergic reactions to, *1978*: April, 116–117
DTPA, in lung imaging, *1978*: Dec., 493
Duodenal ulcer, bleeding, vasoconstrictive therapy in, *1979*: Dec., 383
Dynamic retrograde and voiding urethrography, *1979*: Aug., **230–243**
Dyspnea, acute, *1978*: April, **113–121**

Eagle-Barrett syndrome, *1979*: Aug., 292
Ectopic pregnancy, *1978*: April, 160–162
Ehlers-Danlos syndrome, *1979*: Aug., 267
Embolic agents, in angiography, *1979*: Dec., 377, 380–381
Embolism, air, after aspiration biopsy of lung, *1979*: Dec., 397
  pulmonary, *1978*: April, 13–15; Dec., 409–412
Embolization, pulmonary arterial, *1978*: Dec., 457, 460–462
  transcatheter, *1979*: Apr. 67–74
Embolization therapy, for hepatic hemorrhage, *1979*: Dec., 575, 580
  for hypersplenism, *1979*: Dec.,582
Emergency patient, nontraumatized, symposium on, *1978*: April, **3–171**
Emphysema, asthma and, *1978*: April, 101
  bilateral, in children, *1978*: April, 101–104
  bullous, *1978*: Dec., 578
  interstitial, *1978*: Dec., 420
  interstitial and mediastinal, after respiratory therapy, *1978*: Dec., 422
  mediastinal, *1978*: April, 94–97
  obstructive, in children, *1978*: April, 91
Empyema, *1978*: April, 86
Endobrachial hemorrhage, after aspiration biopsy of lung, *1979*: Dec., 397
Endoscopic retrograde cholangiopancreatography (ERCP), *1977*: Dec., 362
Endoscopy, of larynx and trachea, *1978*: Aug., **219–226**
Endotracheal intubation, *1978*: Dec., 433
Enema, barium, *1978*: April, 129
Epicardial fat stripe, on lateral chest film, *1978*: Dec., 468, 469
Epididymitis, *1978*: April, 156
Epiglottis, on CT scan, *1978*: Aug., 197
Epiglottitis, acute, *1978*: April, 79–80; Aug., 274
Epituberculosis, *1978*: April, 92
Esophageal varices, bleeding, *1978*: April, 124; *1979*: April, 64, 70
Esophagus, atresia of, *1978*: Aug., 191–192
  foreign body in, *1978*: April, 82
  on CT scan, *1978*: Dec., 583
  rupture of, *1978*: April, 18
Excretory urography, in renal failure, *1979*: Aug., 197–200
Excretory voiding urethrography, *1979*: Aug., 243
Extravascular lung water, assessment of, *1978*: Dec., **551–574**

Farmers' lung, *1978*: April, 119
Fatigue fracture, *1978*: April, 38
Femoral artery stenosis, transluminal angioplasty for, *1979*: Dec., 385, 387, 388
Fibromuscular dysplasia, renal artery stenosis from, *1979*: Aug., 187, 190
Fistula, carotid-cavernous, treatment of, *1979*: Dec., 526–528
  tracheoesophageal, *1978*: Aug., 191–192
5-Fluorouracil, in cytotoxic infusion therapy, *1979*: Dec., 384
Fluoroscopy, image amplification, aspiration biopsy and, *1979*: Dec., 394
  of larynx and trachea, *1978*: Aug., 325
Foramen magnum, *1977*: Aug., 155–158
Foreign body, laryngeal and tracheal, *1978*: Aug., 310
  in children, *1978*: Aug., 186
Fracture, pathologic and fatigue, *1978*: April, 38

Galactography, *1979*: Dec., 610–613
Gallbladder, calculous disease, *1979*: Dec., 583–593
  CT scan of, *1977*: Dec., 336–337
  disease, emergency, *1978*: April, 167
    pain of, *1978*: April, 32
  ultrasonography of, *1979*: April, 133–135
Gallium scanning, abdominal, *1979*: April, 49–53
  in inflammatory, disease, *1979*: Dec., 499–504
Gallstones, *1978*: April, 28
Gastric artery, on CT, *1979*: April, 28
Gastroesophageal reflux, asthma and, *1978*: April, 101
Gastroesophageal varices, management, *1979*: Dec., 560–573
Gastrointestinal tract, control of bleeding in, vasopressin for, *1979*: Dec., 381
  disorders, acute pain of, *1978*: April, **25–36**
  hemorrhage, *1978*: April, 123–133
    angiographic intervention in, *1979*: April, 64–67
    arteriography in, *1979*: April, 56–58, 66
  on ultrasonography, *1979*: April, 9
Gelfoam emboli, *1979*: Dec., 377, 380, 516–520
Genitourinary tract, CT scan of, *1977*: Dec., 401–402
  interventional, *1977*: Dec., 453
  emergency radiology, *1978*: April, **135–146, 147–157**
  fetal and neonatal investigations, *1979*: Aug, 291–294
  foreign bodies in, *1978*: April, 153
  in Klippel-Feil syndrome, *1977*: Aug., 172
  malignant lesions of, angiography in, *1979*: April, 63–64
  neoplasms of, biopsy of, *1979*: Dec., 449, 451
  ultrasonography of, *1977*: April, **109–128;** *1979*: Aug., 281–300
Glioblastoma, biopsy of, *1979*: Dec., 538
Glioma, malignant, of optic nerve, *1979*: Dec., 534
Glomus jugulare tumor, *1979*: Dec., 517
Glottis, carcinoma of, *1978*: Aug., 212–214
  cysts of, in children, *1978*: Aug., 186
  malignant tumors of, *1978*: Aug., 247, 248
  on CT scan, *1978*: Aug., 195
Goiter, nodular, aspiration biopsy of, *1979*: Dec., **543–554**
Gonococcal infection, urethrography in, *1979*: Aug., 233
Goodpasture's syndrome, *1978*: April, 110; Dec., 405
Gout, *1978*: April, 38
Greiss test, *1977*: April, 20
Gynecologic tumors, percutaneous biopsy of, *1979*: Dec., 438

HAMARTOMA, of larynx, *1978*: Aug., 262
of lung, aspiration biopsy of, *1979*: Dec., 403–405
Hampton's hump, *1978*: April, 13
Heart, disease, airway effects in children, *1978*: Dec., 383–386
congenital, *1977*: April, 40
emergency radiology in, *1978*: April, 3–12
mimicking asthma, *1978*: Dec., 395
Heart, failure, congestive, *1978*: April, 113–116
left ventricular, *1978*: Dec., 554
intraventricular septal rupture, *1978*: April, 9
left ventricular size, roentgen measurement, *1978*: Dec., 468–472
on lateral chest film, *1978*: Dec., 466–468
surgery, mediastinal widening after, *1978*: Dec., 421
Heel pain, *1978*: April, 41
Hemangioma, subglottic, in children, *1978*: Aug., 187
Hematemesis, *1978*: April, 123
Hematobilia, embolization therapy for, *1979*: Dec., 575, 580
Hematuria, *1978*: April, 136, 151
Hemivertebra, *1977*: Aug., 168, 171
Hemoptysis, after aspiration biopsy of lung, *1979*: Dec., 397
Hemorrhage. See also specific organs or parts.
control of, infusion therapy for, *1979*: Dec., 381–383
endobrachial, after aspiration biopsy of lung, *1979*: Dec., 397
gastrointestinal, *1978*: April, **123–133**
arteriographic diagnosis of, *1979*: April, 56–58, 66
vasopressin for, *1979*: Dec., 381
retroperitoneal, *1979*:. Aug., 310–312
transcatheter embolization for, *1979*: April, 67–74
Hemosiderosis, *1978*: April, 109
Hemothorax, *1978*: April, 85
Heparinization, systemic, with angiography, *1979*: Dec., 375
Hepatic artery, on CT, *1979*: April, 28
Hepatitis, ultrasonography in, *1979*: April, 127–129
Hepatobiliary system, interventional techniques in, *1979*: Dec., **555–605**
obstruction of, *1979*: April, 129–135
Hernia, diaphragmatic, *1978*: April, 88, 110
hiatal, asthma and, *1978*: April, 101
Heroin, allergic reactions to, *1978*: April, 116
Hilar findings, in left ventricular failure, *1978*: Dec., 555–556
Hilar vessels, on lateral chest film, *1978*: Dec., 468–474
Histoplasmosis, *1978*: April, 119
Hodgkin's disease, CT scanning in, *1977*: Dec., **391–400**
Hydatid cyst, aspiration biopsy of, *1979*: Dec., 394–395
Hydatidiform mole, *1978*: April, 165
Hydrocarbon pneumonia, *1978*: April, 107
Hydrocele, congenital, *1979*: Aug., 292
Hydronephrosis, *1977*: April, 110–115; Dec., 414–417
CT findings in, *1979*: Aug., 206
due to pelviureteric obstruction, *1977*: April, **61–70**
neonatal, *1977*: April, **49–59**
nephrogram patterns in, *1979*: Aug., 215
ultrasonography in, *1979*: Aug., 284–287
Hydropneumothorax, *1978*: April, 87
Hydroureter, on CT scan, *1979*: April, 86
Hyperaldosteronism, primary, CT scan in, *1979*: April, 96
Hypernephroma, *1979*: Aug., 282
hypervascular, embolization of, *1979*: Dec., 414–416
Hyperparathyroidism, bone scans in, *1977*: Aug., 194
Hypersensitivity reactions, pulmonary, classification of, *1978*: Dec., 389
Hypersplenism, embolization therapy for, *1979*: Dec., 582
Hypertension, pulmonary venous, *1978*: April, 6–7
renovascular, intravenous urography in, *1979*: Aug., **187–195**
percutaneous transluminal angioplasty for, *1979*: Dec., 413–414
Hypervascularization, of pulmonary systemic arterial circulation, *1978*: Dec., 442–444, 454–457
Hypotension, systemic, nephrogram in, *1979*: Aug., 218

ILIAC artery, catheterization of, *1979*: Dec., 376, 377
for control of hemorrhage, *1979*: Dec., 445
Iminodiacetic acid (IDA) compounds, for liver scanning, *1979*: April, 42
Immunologic diseases of lung, *1978*: Dec., **389–406**
Indicator dilution methods, in assessing extravascular lung water, *1978*: Dec., 552–554
Infant(s), acute respiratory distress in, *1978*: April, **77–90**
kidneys of, *1977*: April, **3–17**
laryngeal and tracheal obstruction in, *1978*: Aug., **181–194**
lower respiratory infection in, *1978*: Dec., **367–387**
polycystic kidney disease in, *1979*: Aug., 217, 261–262, 288
Inflammatory disease, abdominal, *1979*: Dec., **485–513**
gallium scanning in, *1979*: April, 51–53
pulmonary, in infants, *1978*: Dec., **367–387**
Infusion therapy, for control of bleeding, *1979*: Dec., 381–383
Intensive care unit radiology, *1978*: Dec., **407–439**
Interstitial emphysema, *1978*: Dec., 420
Interventional CT scanning, *1977*: Dec., 449–456. See also specific procedures.
Interventional radiology, costs and benefits of, *1979*: Dec., **371–373**
in azotemic patient, *1979*: Aug., 209
symposium on, *1979*: Dec., **369–636**
unit design for, *1979*: Dec., 623–636
Intestine(s), ischemia of, *1978*: April, 33–35
obstruction, *1978*: April, 26–30
pseudo-obstruction of, *1978*: April, 30
Intracranial tumors, CT-guided aspiration biopsy of, *1979*: Dec., 535–536
Intrathoracic lesions, airway obstruction with, *1978*: April, 80
Intravascular cast technique, for arteriovenous malformations, *1979*: Dec., 529–532
Intravenous urography, in hypertension, *1979*: Aug., **187–195**
Intrauterine contraceptive device, ultrasonic detection of, *1978*: April, 159
Intubation, complications, in children, *1978*: Aug., 189
Iodine-131 NP-59, in adrenal scanning, *1979*: April, 46–49
Islet cell tumors, pancreatic, *1979*: April, 61–62
Ivalon emboli, in carotid system disease, *1979*: Dec., 520
Ivory vertebrae, *1978*: April, 69

JAUNDICE, CT scanning in, *1977*: Dec., 338–340
ultrasonography of, *1979*: April, **127–136**
Johns Hopkins Lung Project, *1978*: Dec., 347
Joint(s), acute pain in, *1978*: April, 38–41

KERLEY's lines, *1978*: Dec., 555, 557
Kidney, abscess, *1978*: April, 142–144; *1979*: Aug., 251–253
anatomy of surrounding structures and, *1979*: Aug., 321–331
aneurysm, ruptured, *1978*: April, 137
aspiration biopsy of, *1979*: Dec., 418
atrophic, *1977*: Dec., 412–414
biopsy, *1977*: April, 120
CT-guided, *1977*: 453–454
calculous disease, *1979*: Aug., 289
clubbed, *1977*: April, 26
congenital abnormalities, *1979*: Aug., 293–294
CT scanning of, *1977*: Dec., **401–418**; *1979*: April, **77–90**
cystic disease of, *1977*: Dec., 407; *1979*: April, 79–80; Aug., 254, 270–272
nephrogram in, *1979*: Aug., 216, 217
radiologic-pathologic correlations, *1979*: Aug., **261–279**
ultrasonography in, *1979*: Aug., 203–206
dysgenesis, *1979*: Aug., 272–275
failure, cardiopulmonary changes in, *1978*: Dec., 527
functional abnormalities, nephrogram of, *1979*: Aug., 217–220
growth and development, *1977*: April, **3–17**
infection, in adults, *1979*: Aug., **245–260**
on urethrography, *1979*: Aug., 233
mass lesions, *1979*: April, 79–85
parenchyma, opacification of, *1979*: Aug., **213–226**
parenchymal infection, in children, *1977*: April, **37–47**
percutaneous drainage, *1979*: Aug., 351
polycystic, infantile, *1979*: Aug., 261–266, 288
on CT scan, *1979*: Dec., 503
pseudotumors of, *1979*: Aug., 283
transcatheter embolization of, *1979*: April, 70
transplant, *1977*: April, 121–122
CT scan in, *1979*: April, 88
nonfunctioning, *1978*: April, 156
ultrasonography in, *1979*: Aug., 289–291
trauma, *1977*: April, 9, 358–365
nephrogram in, *1979*: Aug., 217
tumors of, embolization techniques in, *1979*: Dec., 417
hypertension with, *1979*: Aug., 192
malignant, cytotoxic infusion therapy for, *1979*: Dec., 384
ultrasonography of, *1977*: April, 45, *109–128; 1979*: April, 7; Aug., 281–287
vasculature, embolization techniques in, *1979*: Dec., 414–416
Klippel-Feil syndrome, *1977*: Aug., 171–174, 215, 216
Kniest's disease, *1977*: Aug., 215
Krypton-81m, in lung imaging, *1978*: Dec., 494
Kyphosis, *1978*: April, 71

LARYNGEAL stenosis, *1978*: Aug., 221–223
Laryngectomy, non-neoplastic sequellae, *1978*: Aug., 285
preoperative assessment by CT scan, *1978*: Aug., 199–205
Laryngocele, *1978*: Aug., 275
Laryngotracheobronchitis, *1978*: Aug., 182–184
Larynx, benign non-neoplastic conditions of, *1978*: Aug., **273–290**
carcinoma of, *1978*: Aug., 225
cartilaginous tumors of, *1978*: Aug., **261–271**
CT scanning of, *1978*: Aug., **195–208**
Larynx (*Continued*)
endoscopy and surgery of, *1978*: Aug., **219–226**
foreign bodies in, *1978*: April, 80
malignant tumors of, *1978*: Aug., **247–260**
obstructing lesions, in children, *1978*: Aug., **181–194**
paralysis of, *1978*: Aug., 224, 285
pseudotumor of, *1978*: Aug., 284
roentgenologic investigations of, *1978*: Aug., **321–341**
squamous cell carcinoma of, radiation therapy for, *1978*: Aug., **209–218**
trauma to, *1978*: Aug., **309–320**
Leiomyoma, uterine, *1977*: Dec., 446
Leukemia, spinal lesions in, *1977*: Aug., 186, 199
Liver, abscess, biopsy of, CT-guided, *1979*: Dec., 507
catheter drainage of, *1979*: Dec., 583
on CT scan, *1979*: Dec., 496
on ultrasound, *1979*: Dec., 490
angiography, vs. CT, *1979*: April, 151
biliary system, on ultrasonography, *1979*: April, 5
biopsy, aspiration, *1979*: Dec., 557
CT-guided, *1977*: Dec., 451–452
transjugular, *1979*: Dec., 556
carcinoma of, cytotoxic infusion therapy for, *1979*: Dec., 383–384
CT scans of, *1977*: Dec., **297–308, 331–348;** *1979*: April, 16, 20, **137–155**
vs. radionuclide imaging, *1977*: Dec., 345–346
cystic disease of, *1979*: April, 143
disease, interventional techniques in, *1979*: Dec., **555–605**
lymphoma of, *1977*: Dec., 397
malignant disease of, angiography in, *1979*: April, 59–61
neoplastic disease of, *1979*: April, 140–144
nuclear medicine scanning, *1979*: April, 39–42
parenchymal disease, diffuse, *1979*: April, 144
rupture, embolization therapy for, *1979*: Dec., 575, 580
technetium sulfur colloid scans, CT vs., *1979*: April, 146–151
gallium scanning with, *1979*: April, 50–51
tumors, intra-arterial chemotherapy of, *1979*: Dec., 575
ultrasonography of, *1979*: April, 3
vasculature, on CT, *1979*: April, 28
Lumbar vertebra, *1977*: Aug., 145–153
Lumbosacral spine, *1977*: Aug., 150–153
Lung(s). See also *Pulmonary*.
air-trapping, *1978*: April, 97
allergic drug reactions, *1978*: April, 116–117
apex, on CT scan, *1977*: Dec., 310
aspiration, *1977*: Dec., 451
blood flow and volume, *1978*: Dec., **515–535**
carcinoma of, altered consciousness with, *1978*: April, 53
CT scan in, *1977*: Dec., 298–306
screening for, *1978*: Dec., **347–366**
disease, diffuse, biopsy in, *1979*: Dec., 400
immunologic, *1978*: Dec., **389–406**
localized, diagnostic approach to, *1979*: Dec., 399–400
percutaneous aspiration biopsy in, *1979*: Dec., 393–397
hemorrhage, *1978*: April, 109
hypersensitivity reactions of, *1978*: April, 117
imaging, symposium on, **347–584**
infection, *1978*: April, 120
inflammatory lesions, vs. malignant disease, *1979*: Dec., 400
interstitial emphysema of, *1978*: Dec., 420

Lung(s) (*Continued*)
margins and fissures, on lateral chest film, *1978*: Dec., 478–481
metastatic disease, *1978*: Dec., 580
parenchymal infiltrates, *1978*: April, 12–17
perfusion-inhalation scintigraphy of, *1978*: Dec., **491–513**
superior sulcus tumor of, *1978*: April, 15, 17
tumors, cytologic evaluation of, *1979*: Dec., 400
volume loss, *1978*: Dec., 408
water, extravascular, *1978*: Dec., **551–574**
Lupus erythematosus, systemic, *1978*: Dec., 405
Lymph nodes, para-aortic, biopsy of, *1979*: Dec., **461–473**
peri-aortic, on CT scan, *1979*: April, 19
Lymphadenopathy, retroperitoneal, *1977*: Dec., 379–384; *1979*: April, 157–168; Aug., 294, 306–308
Lymphography, problems with, *1979*: Dec., 461
Lymphoma, *1977*: Dec., 381
malignant, abdominal CT scan in, *1977*: Dec., **391–400**
gallium staging of, *1979*: April, 50
on CT scan, *1978*: Dec., 578–580

Malignant disease, abdominal, gallium scanning in, *1979*: April, 49–51
bleeding with, vasoconstrictive therapy in, *1979*: Dec., 381–383
palliative infusion therapy for, *1979*: Dec., 383–385
Malignant lymphoma, *1979*: Dec., 469
Mallory-Weiss syndrome, *1978*: April, 124; *1979*: April, 69
McCrae's line, *1977*: Aug., 155–156
Measles virus, pneumonia and, *1978*: April, 106
Mediastinal emphysema, *1978*: April, 94–97
Mediastinoscopy, *1979*: Dec., 401
Mediastinum, air in, *1978*: April, 17–18
anomalies of, in children, *1978*: Aug., 189
CT scans of, *1977*: Dec., **309–329**
disease of, biopsy techniques in, *1979*: Dec., 401–407
post-traumatic and post-surgical, *1978*: Dec., 420–424
Medullary sponge kidney, *1979*: Aug., 216, 266–270
Medullary tubular ectasia, *1979*: Aug., 216
Meningioma, intraspinal, *1977*: Aug., 208
Mesenteric artery, on CT, *1979*: April, 29, 30
Mesenteric vein, on CT, *1979*: April, 35
Mesentery, masses in, *1979*: Dec., 448–450
Mesothelioma, *1978*: Dec., 582
Mitral valve, prolapse of, *1978*: April, 9
Morquio's disease, *1977*: Aug., 215
Musculoskeletal system, biopsy of, *1979*: Dec., **475–485**
Myelodysplasia, *1977*: April, 71
Myelography, in cervical spinal stenosis, *1977*: Aug., 223–225
in spondylolisthesis, lumbar, *1977*: Aug., 262–272
Myocardial infarction, *1978*: April, 5, 7
chest film of, *1978*: Dec., 560, 564

Neck. See also *Spine, cervical.*
fractures, *1977*: Aug., 250–258
ligamentous injuries, *1977*: Aug., 247–249
masses, congenital, *1978*: Aug., 207
spinal problems and, *1977*: Aug., **133–143**
Needle biopsy. See *Biopsy, aspiration* and under specific sites.
Neonatal hydronephrosis, *1977*: April, 49–59
Nephrectomy, CT scan after, *1977*: Dec., 416–417
Nephritis, bacterial, acute, *1979*: Aug., 247–251
Nephrocalcinosis, *1979*: Aug., 289
Nephrogram, *1979*: Aug., **213–226**
Nephrolithiasis, *1979*: Aug., 289
Nephroma, hypervascular, embolization of, *1979*: Dec., 414–416
multilocular cystic, *1979*: Aug., 275
Nephropyelostomy, percutaneous, *1979*: Dec., 422–432
Nephrostomy, percutaneous, *1979*: Dec., 422–432
catheter, *1979*: Aug., 351–363
Nerve block, CT-guided, *1977*: Dec., 456
Neurofibromatosis, of cervical spine, *1977*: Aug., 207, 210
Neurogenic bladder, in children, *1977*: April, **71–82**
Neuroradiology, interventional techniques of, *1979*: Dec., **515–542**
Nuclear medicine imaging, intra-abdominal, *1979*: April, **39–54**

Obstructive airway disease, lung-perfusion-inhalation scintigraphy in, *1978*: Dec., **491–513**
Occipital condyles, hypoplastic, *1977*: Aug., 160
Oligohydramnios, *1977*: April, 84; *1979*: Aug., 292
Omentum, masses in, biopsy of, *1979*: Dec., 448–449
Optic nerve, malignant glioma of, *1979*: Dec., 534
Orbital masses, CT-guided interventional techniques for, *1979*: Dec., 532–535
Osteoarthritis, degenerative, *1977*: Aug., 193
Osteoarthrosis, hypertrophic, *1978*: April, 41
Osteochondritis dissecans, *1978*: April, 45
Osteodystrophy, renal, *1978*: April, 56
Osteoid osteoma, *1977*: Aug, 181; *1978*: April, 41
Osteomalacia, *1977*: Aug., 163
Osteomyelitis, *1978*: April, 42–44
of spine, *1977*: Aug., 184, 188
Osteoporosis, *1978*: April, 44
senile, *1977*: Aug., **289–292**
Ovary, CT scan of, *1977*: Dec., 444, 447; *1979*: Aug., 314
cysts of, *1978*: April, 154
torsion of, *1978*: April, 163

Paget's disease, *1977*: Aug., 165, 191, 194, 195, 217, 222, 230
Pain, abdominal, *1978*: April, **25–36**
skeletal, *1978*: April, **37–47**
Pancoast tumor, *1978*: April, 15, 17
Pancreas, abscess, catheter drainage, *1979*: Dec., 583
angiography, *1977*: Dec., 361
biopsy, aspiration, *1979*: Dec., 557
CT-guided, *1977*: Dec., 452–453
carcinoma of, *1979*: April, 45, 46
angiography in, *1979*: April, 61–62
CT scan in, *1977*: Dec., 353–355, 358, 369–372
CT scanning of, *1977*: Dec., 336–337, **349–366, 367–376;** *1979*: April, 15, 16, 23, **105–117**
inflammatory lesions of, *1979*: April, 108–110, 112
interventional techniques in, *1979*: Dec., **555–605**
masses of, *1979*: Dec., 491
morphologic-radiographic correlations, *1979*: April, **119–125**
neoplastic lesions of, *1979*: April, 108–110, 115
nuclear medicine scanning, *1979*: April, 43–46
pseudocysts, *1979*: Dec., 596–600
ultrasonography of, *1977*: Dec., 360; *1979*: April, 6, **105–117**

Pancreatic duct, on CT scan, *1977*: Dec., 373
Pancreatitis, *1978*: April, 32; *1979*: April, 45
CT scan in, *1977*: Dec., 355–356, 358, 372
Papillary muscle, rupture of, *1978*: April, 7, 8
Papillomatosis, respiratory, in children, *1978*: Aug., 186
Para-aortic lymph nodes, biopsy of, *1979*: Dec., **461–473**
Parenchymal lung disease, biopsy in, *1979*: Dec., 400
Pelvic fracture, urethral injury with, *1979*: Aug., 234
Pelvic inflammatory disease, *1978*: April, 162
Pelvic masses, percutaneous needle biopsy of, *1979*: Dec., 438, 443–445
Pelvic region, abscesses in, *1979*: Dec., 498
CT of, *1977*: Dec., **441–448;** *1979*: April, 18; Aug., **301–319**
trauma to, management of hemorrhage in, *1979*: April, 68
Pelviureteric obstruction, in children, *1977*: April, **61–70**
Peptic ulcer, bleeding, *1978*: April, 124
Percutaneous needle biopsy. See under *Biopsy* and specific organs and regions.
Perforated viscus, *1978*: April, 25–26
Peribronchial cuffing, *1978*: Dec., 561
Pericardial effusion, *1978*: April, 6; Dec., 426–427
Pericardial line, on lateral chest film, *1978*: Dec., 468, 469
Pericarditis, *1978*: April, 5
Pharynx, benign non-neoplastic conditions of, *1978*: Aug., 273–290
diverticula, *1978*: Aug., 277
Pheochromocytoma, *1979*: Aug., 193, 304
CT scan in, *1979*: April, 97–99
Pigeon breeders' disease, *1978*: April, 118
Placenta previa, *1978*: April, 163
Plasma renin activity, in hypertension, *1979*: Aug., 190
Platybasia, *1977*: Aug., 155
Pleural effusion, *1978*: April, 17; Dec., 431
massive, in children, *1978*: April, 93
on CT scan, *1977*: Dec., 308
Pleural indentations, on lateral chest film, *1978*: Dec., 480
Pleural mass lesions, biopsy of, *1979*: Dec., 409
Pneumoconiosis, *1978*: Dec., 405
Pneumocystography, for breast lesions, *1979*: Dec., 607–610
Pneumomediastinum, *1978*: April, 17–18; Dec., 424–430
Pneumonia, *1978*: April, 15
chronic eosinophilic, *1978*: Dec., 398
in children, *1978*: April, 104–108; Dec., 382–383
in infants, *1978*: April, 83, 85
viral, *1978*: April, 119
Pneumothorax, *1978*: April, 19–23, 87; Dec., 431
in children, *1978*: April, 94–97
with percutaneous lung biopsy, *1979*: Dec., 397
Polycystic kidney disease, *1979*: Aug., 261–266, 288
Portal hypertension, CT scan in, *1977*: Dec., 335
Portal venous system, catheterization of, *1979*: Dec., 377–380
on CT, *1979*: April, 33
Potter's syndrome, *1977*: April, 84
Pregnancy, ectopic, *1978*: April, 160–162
Prostate, carcinoma of, *1979*: Dec., 464
lesions of, *1979*: Dec., 449, 452
on CT scan, *1977*: Dec., 443; *1979*: Aug., 314
Prune belly syndrome, *1977*: April, **83–92;** *1979*: Aug., 292, 347
Pseudogout, *1978*: April, 39
Pseudosarcoma, of trachea, *1978*: Aug., 236
Pseudotumor, of larynx, *1978*: Aug., 284
renal, *1979*: Aug., 283
Pulmonary. See also *Lung(s)*.
Pulmonary artery, left, anomalous, *1978*: Aug., 190
malformation of, *1978*: Dec., 454–457
on lateral chest film, *1978*: Dec., 469
thromboembolism of, *1978*: Dec., 443–444, 457, 460–462
Pulmonary atresia, *1978*: Dec., 456, 459
Pulmonary blood flow and volume, *1978*: Dec., **515–535**
Pulmonary disease, diffuse, in infants, *1978*: April, 83
localized, diagnostic approach to, *1979*: Dec., 399–400
Pulmonary edema, acute, *1978*: April, 108–109
CT scan in, *1978*: Dec., 577
from congestive heart failure, *1978*: Dec., 416
high-altitude, *1978*: Dec., 534, **537–549**
interstitial, *1978*: April, 113–115
assessment of, *1978*: Dec., **551–574**
noncardiac, *1978*: April, 116
Pulmonary effusion, CT scan in, *1978*: Dec., 577
Pulmonary embolism, *1978*: April, 13–15; Dec., 409–412
lung-perfusion-inhalation scintigraphy in, *1978*: Dec., **491–513**
post-perfusion aerosol imaging in, *1978*: Dec., 502–504
xenon imaging in, *1978*: Dec., 491–492
Pulmonary eosinophilia, *1978*: Dec., 395–398
Pulmonary hypertension, *1978*: April, 6–7
Pulmonary infiltrates, parenchymal, *1978*: April, 12–17
Pulmonary parenchyma, CT scan of, *1977*: Aug., **297–308**
Pulmonary sequestration, *1978*: Dec., 450
Pulmonary systemic arteries, angiography of, *1978*: Dec., **441–463**
Pulmonary vascular bed capacity, *1978*: Dec., 519, 520
Pulmonary vasculature, on CT scan, *1977*: Dec., 311, 313
shunting, *1978*: April, 7
Pyelography, antegrade, *1979*: Dec., 419–422
percutaneous, *1979*: Aug., 341–346
Pyelonephritis, *1978*: April, 140–141
acute, *1979*: Aug., 246–247
bacterial, nephrogram in, *1979*: Aug., 222
chronic atrophic, *1979*: Aug., 192
Pyonephrosis, *1978*: April, 142; *1979*: Aug, 254
Pyrophosphate arthropathy, *1978*: April, 39

RADIATION exposure, with angiography, *1979*: Dec., 376–377
Radiation therapy, in squamous cell carcinoma of larynx, *1978*: Aug., **209–218**
Radionuclide scan, in spinal disease, *1977*: Aug., **177–201**
Radionuclide studies, of azotemic patient, *1979*: Aug., 207
Radiopharmaceuticals, for abdominal scanning, *1979*: April, **39–54**
in transcatheter embolization, *1979*: April, 73
Rassmussen's aneurysm, *1978*: Dec., 445–446
Reflux, vesicoureteral, *1977*: April, 8–9
Reflux nephropathy, *1979*: Aug., 192
Renal abscess, *1978*: April, 142–144

Renal artery obstruction, *1978*: April, 137–139
Renal artery stenosis, intravenous urography in, *1979*: Aug., 188
nephrogram in, *1979*: Aug., 218
transluminal angioplasty in, *1979*: Dec., 413–414
Renal calcification, *1977*: Dec., 414
Renal colic, *1978*: April, 151
Renal disease, CT scanning in, third generation, *1979*: April, **77–90**
Renal dysgenesis, *1979*: Aug., 272–275
cardiopulmonary changes with, *1978*: Dec., 527
nephrogram in, *1979*: Aug., 220–222
Renal fascia, anatomy of, *1979*: Aug., 321
Renal infection, in adults, *1979*: Aug., **245–260**
Renal osteodystrophy, *1978*: April, 56
Renal papillary necrosis, *1978*: April, 141
Renal parenchymal disease, nephrogram in, *1979*: Aug., 220–222
ultrasonography in, *1979*: Aug., 282
Renal parenchymal infection, in children, *1977*: April, 37–47
Renal tubular ectasia, *1979*: Aug., 266–270
Renal veins, on CT, *1979*: April, 33
thrombosis of, nephrogram in, *1979*: Aug., 219
Renin activity, plasma, in hypertension, *1979*: Aug., 190
Renovascular hypertension, intravenous urography in, *1979*: Aug., **187–195**
percutaneous transluminal angioplasty for, *1979*: Dec., 413–414
Respiratory distress, in children, *1978*: April, **91–112**
in infants, *1978*: April, **77–90**
Respiratory distress syndrome, adult, *1978*: Dec., 416
Respiratory infection, lower, in infants vs. adults, *1978*: Dec., **367–387**
Respiratory therapy, interstitial and mediastinal emphysema after, *1978*: Dec., 422
Respiratory tract, foreign bodies in, *1978*: April, 80, 82, 91
Retrograde urethrography, *1979*: Aug., 243
Retroperitoneal abscesses, on CT scan, *1979*: Dec., 498
Retroperitoneal fibrosis, *1977*: Dec., 387; *1979*: April, 26
Retroperitoneal lymph nodes, assessment of, *1979*: Dec., **461–473**
Retroperitoneal lymphadenopathy, *1977*: Dec., 379–384; *1979*: April, 157–168
Retroperitoneal masses, inflammatory, *1979*: Dec., 492, 493
percutaneous biopsy of, *1979*: Dec., 439–445
Retroperitoneum, CT scan of, *1977*: Dec., **377–390**; *1979*: April, 87–88; Aug., **301–319**
ultrasonography of, *1979*: Aug., 294–295
Retropnaryngeal abscess, *1978*: April, 80; Aug., 273
in children, *1978*: Aug., 184
Rheumatoid arthritis, *1977*: Aug., 215, 222; *1978*: April, 40–41, 70
Rib, cervical, *1977*: Aug., 167
lesions, aspiration biopsy of, *1979*: Dec., 409
Rim sign, on nephrogram, *1979*: Aug., 215, 219

SACROILIAC joint, infection, *1978*: April, 75
Sacroiliitis, *1977*: Aug., 191, 192
Sarcoidosis, bronchoscopic diagnosis, *1979*: Dec., 407
Scanning, computed tomographic. See *Computed tomography* and under specific organs and regions.
radionuclide, in spinal disease, *1977*: Aug., **177–201**
Scarring, urethral, *1979*: Aug., 238–243
Scheuermann's disease, *1978*: April, 71
Schistosoma hematobium, *1979*: Aug., 234
Schistosomiasis, nonsurgical management, *1979*: Dec., 575
Schmorl's nodes, *1978*: April, 66
Scimitar syndrome, *1978*: Dec., 450, 453–454
Scintigraphy, lung-perfusion-inhalation, *1978*: Dec., **491–513**
renal, *1977*: April, 45
Scoliosis, *1977*: Aug., 172; *1978*: April, 71
bone scans in, *1977*: Aug., 196, 197
Scrotum, ultrasonography of, *1979*: Aug., 296–297
Selenomethionine, in pancreatic scanning, *1979*: April, 43–46
Sella turcica, lesions of, *1978*: April, 57–58
Senile osteoporosis, *1977*: Aug., **289–292**
Sepsis, *1978*: April, 140
Septic arthritis, *1978*: April, 43
Shingling, *1977*: Aug., 219, 220
Shortness of breath, *1978*: April, **113–121**
Shoulder-hand syndrome, *1978*: April, 44
Sickle cell anemia, skull findings in, *1978*: April, 55
Silastic emboli, for intracranial arteriovenous malformations, *1979*: Dec., 520
Silicosis, *1978*: Dec., 447
Sinography, *1979*: Dec., 483
Skeletal pain, *1978*: April, **37–47**
Skull, base of, *1978*: April, 57–58
emergency radiology, *1978*: April, 51–52, 54–63
sutures, *1978*: April, 56–57
vascular markings, *1978*: April, 57
Soft tissue masses, closed biopsy of, *1979*: Dec., 481
Spina bifida, *1977*: Aug., 167
Spinal canal, cervical, expanding lesions of, *1977*: Aug., **203–214**
Spinal cord, astrocytoma of, *1979*: Dec., 539
injury to, *1977*: Aug., **241–246**
Spine, cervical, *1977*: Aug., 133–143
anomalies, *1977*: Aug., **167–175**
fractures of, *1977*: Aug., 250–258
injury to, *1977*: Aug., **247–259**
stenosis of, *1977*: Aug., **215–226**
diseases of, radionuclide scanning in, *1977*: Aug., **177–201**
emergent, *1978*: April, **65–76**
intervertebral disc calcification, *1978*: April, 74
lumbar, spondylolisthesis, *1977*: Aug., **261–273**
stenosis of, *1977*: Aug., **227–239**
osteomyelitis of, *1977*: Aug., 184, 188
osteoporosis, senile, *1977*: Aug., **289–292**
symposium on, *1977*: Aug., **131–294**
Spleen, CT scan, *1979*: April, 16, 22
in lymphoma, *1977*: Dec., 396
malignant disease of, *1979*: April, 61
rupture of, *1979*: April, 58
ultrasonography of, *1979*: April, 3
Splenic artery, on CT, *1979*: April, 28
Splenic vein, on CT, *1979*: April, 33
Spondylitis, ankylosing, *1977*: Aug., 188, 215, 222; *1978*: April, 70
Spondylolisthesis, *1977*: Aug., 235; *1978*: April, 73
lumbar, *1977*: Aug., **261–273**
degenerative, *1977*: Aug., **275–287**
Spondylolysis, *1978*: April, 73
Sprengel's deformity, *1977*: Aug., 172
Squamous cell carcinoma, of lung, *1978*: Dec., 349
Stereotaxis, CT-guided, *1979*: Dec., 536–540
Still's disease, *1977*: Aug., 215

Straddle injury, urethral injury with, *1979*: Aug., 237
Stridor, respiratory distress with, *1978*: April, 80
upper respiratory, acute, *1978*: Aug., 273
Sturge-Weber disease, *1978*: April, 61
Subdiaphragmatic abscess, *1979*: Dec., 496
Subglottic hemangioma, in children, *1978*: Aug., 187
Subglottis, on CT scan, *1978*: Aug., 195
Subpleural effusion, *1978*: Dec., 563
Sudeck's atrophy, *1978*: April, 44
Supraglottitis, acute, in children, *1978*: Aug., 184
Syphilitic aortitis, *1978*: April, 12
Syringomyelia, *1977*: Aug., 207, 211, 212
Systemic-pulmonary shunts, *1978*: Dec., 442

^{99m}TECHNETIUM sulfur colloid scan, hepatic, *1979*: April, 39–42
gallium scanning with, *1979*: April, 50–51
vs. CT, *1979*: April, 146–151
Tendinitis, *1978*: April, 46
Testicular torsion, *1978*: April, 156
Thoracic spine, *1977*: Aug., 142–144
Thoracic systemic arteries, angiography of, *1978*: Dec., **441–463**
Thorax, CT scan of, *1978*: Dec., **575–584**
drainage tubes, roentgen evaluation of, *1978*: Dec., 435
masses, *1978*: April, 110
wall, CT scan of, *1978*: Dec., 578
Thromboembolic disease, of legs, *1976*: Aug., **371–385**
Thromboembolism, of pulmonary artery, *1978*: Dec., 443–444
Thymoma, *1978*: Dec., 582
Thyroglossal duct, cyst, of, *1978*: Aug., 282
Thyroid cartilage, on CT scan, *1978*: Aug., 197
Thyroid gland nodules, aspiration biopsy of, *1979*: Dec., **543–554**
Tomography, computer-assisted. See *Computed tomography* and under specific organs and parts.
Tonsillar ears, *1978*: Aug., 279
Trachea, diameter of, *1978*: Dec., 474
endoscopy and surgery of, *1978*: Aug., **219–226**
obstructing lesions of, in children, *1978*: Aug., **181–194**
roentgenologic investigations, *1978*: Aug., **321–341**
stenosis of, *1978*: Aug., **291–307**
trauma to, *1978*: Aug., **309–320**
tumors of, *1978*: Aug., **227–246**
cartilaginous, *1978*: Aug., **261–271**
Tracheal band, posterior, *1978*: Dec., 474
Tracheoesophageal fistula, *1978*: Aug., 191–192
Tracheomalacia, *1978*: Aug., 299
Tracheostomy, complications of, *1978*: Aug., 284
stenosis after, *1978*: Aug., **291–307**
Transbronchial biopsy, *1979*: Dec., 397–399
Transcatheter embolization, *1979*: April, 67–74
in kidney disease, *1979*: Dec., 414–418
Transhepatic portal catheterization, *1979*: Dec., 377–380
Transient ischemic attack, *1978*: April, 51
Transluminal angioplasty, *1979*: Dec., 385–390
Transplant, renal, CT scanning in, *1979*: April, 88
nonfunctioning, *1978*: April, 156
ultrasonography in, *1979*: Aug., 289–291
Transvenous biopsy, of pelvic and retroperitoneal masses, *1979*: Dec., 445
Trauma. See also specific organs or regions.
mediastinal, *1978*: Dec., 421
Trauma (*Continued*)
pelvic, management of hemorrhage in, *1979*: April, 68
urethral injury with, *1979*: Aug., 234–238
Tuberculosis, of lower urinary tract, *1979*: Aug., 234–235
pulmonary vascular changes in, *1978*: Dec., 444
spine destruction in, *1978*: April, 69
vs. malignant disease, *1979*: Dec., 400
Tumor(s). See also specific types and regions.
intracranial, aspiration biopsy of, *1979*: Dec., 535–536
laryngeal, cartilaginous, *1978*: Aug., 261–271
malignant, *1978*: Aug., **247–260**
retroperitoneal, *1979*: Aug., 308–309
tracheal, *1978*: Aug., **227–246**
cartilaginous, *1978*: Aug., **261–271**
urethral, *1979*: Aug., 238

ULTRASONOGRAPHY. See also specific organs or regions.
abdominopelvic, *1978*: April, **159–173**
gray-scale, normal abdominal anatomy on, *1979*: April, **3–11**
in aspiration and drainage procedures, *1979*: Dec., 505
in inflammatory disease of abdomen, *1979*: Dec., 488–495
in renal infection, *1979*: Aug., **245–260**
in urinary tract obstruction, *1979*: Aug., 203–206
of genitourinary tract, *1979*: Aug., **281–300**
Ureter(s), abnormalities of, *1977*: April, 52
obstruction of, *1978*: April, 144; *1979*: Aug., 334–337; Dec., 421–422
nephrogram in, *1979*: Aug., 223–224
on CT scan, *1977*: Dec., 444, 447
structure and function of, *1979*: Aug., 333–334
Ureteral perfusion, percutaneous, *1979*: Aug., 346–349
Ureterocele, *1977*: April, 52; *1978*: April, 154
Ureteropelvic junction obstruction, *1977*: April, 50–51
Ureterosigmoidostomy, *1977*: April, 100–104
Urethra, abnormalities of, *1977*: April, 55
adult male, *1979*: Aug., **227–244**
instrumentation of, injury from, *1979*: Aug., 237
obstruction of, in prune belly syndrome, *1977*: April, **83–92**
scarring of, *1979*: Aug., 238–243
tumors of, *1979*: Aug., 238
Urethrography, dynamic retrograde and voiding, *1979*: Aug., 230
Urethroplasty, transsphincter, *1979*: Aug., 240
Urinary tract, brush biopsy of, *1979*: Dec., 418–419
diversion, *1977*: April, 78
emergency radiology of, *1978*: April, **135–146, 147–157**
infection, hydronephrosis with, *1977*: April, 53
in children, *1977*: April, 8–9, **19–35**
lower, obstruction, in children, *1977*: April, 51, **61–70**
ultrasonography of, *1977*: April, 109–128; *1978*: April, 168–169
upper, dilated, *1979*: Aug., **333–340**
obstruction of, *1979*: Aug., 336–349, 351–360; Dec., 421, 422–432
urodynamics, *1979*: Dec., 421
Urine, ascites, *1978*: April, 151
extravasation of, *1978*: April, 139
Urogenital diaphragm, *1979*: Aug., 227

Urography, excretory, *1977*: April, 28
in renal failure, *1979*: Aug., 197–200
intravenous, in hypertension, *1979*: Aug., **187–195**
Uroradiology, diagnosis and evaluation of, *1979*: Aug., **175–185**
emergency, *1978*: April, **135–146, 147–157**
interventional, *1979*: Dec., **413–433**
pediatric, symposium on, *1977*: April, **1–130**
Uterus, CT scan of, *1977*: Dec., 444; *1979*: Aug., 314
hemorrhage from, *1979*: April, 70
sarcoma of, *1979*: Dec., 466

VARICELLA pneumonia, *1978*: April, 107
Varices, bleeding, infusion therapy for, *1979*: Dec., 381–383
Vascular disorders, osteonecrosis with, *1978*: April, 45
Vascular rings, aortic, *1978*: Aug., 190
Vasoconstriction, intravenous, for control of bleeding, *1979*: Dec., 381–383
Vasodilating urography, *1979*: Aug., 189
Vasopressors, catheter infusion of, *1979*: April, 64–68
Vena cava, abnormalities, on CT, *1979*: Aug., 312
inferior, *1979*: April, 26, 30–33
Ventilation imaging, krypton vs. xenon in, *1978*: Dec., 505
Vertebra, cervical, *1977*: Aug., 133–143
soft tissue injury and, *1977*: Aug., 247–249
compression fractures of, *1978*: April, 65
disorders of, acute symptoms and signs, *1978*: April, **65–76**
displacement. See *Spondylolisthesis.*
lumbar, *1977*: Aug., 145–153
spinal canal lesions and, *1977*: Aug., 207
thoracic, *1977*: Aug., 142–144
Vesicoureteral reflux, *1977*: April, 8–9
Viral pneumonia, *1978*: April, 119
Viscus, perforated, *1978*: April, 25–26
Vocal cords, malignant tumors of, *1978*: Aug., 247, 248
on CT scan, *1978*: Aug., 195
Volvulus, of colon, *1978*: April, 26

WASHOUT urography, *1979*: Aug., 189
Wegener's granulomatosis, *1978*: April, 60
Weir's view, *1977*: Aug., 141
Westermark's sign, *1978*: April, 13, 14
Whitaker test, *1979*: Dec., 421
Wilms' tumor, hypertension with, *1979*: Aug., 192

XENON-133, in lung imaging, *1978*: Dec., 491–492, 494